

REMARKS

Claims 1-3, 6, and 8 are pending in the present application. Claims 4, 5, and 7 have been previously cancelled.

Claims 1-3, 6, and 8 are rejected under 35 U.S.C. § 102(b) as being anticipated by Ohashi *et al.* (U.S. Patent No. 5,596,641) ("Ohashi"). The rejection is respectfully traversed and reconsideration is requested.

The undersigned representative would like to thank the Examiner for the opportunity to discuss the claims and cited references of the present application in a telephone interview on March 2, 2005. In view of the interview, as summarized in the following statement of the substance of the interview, the rejection of the pending claims is considered moot.

Interview Summary

On March 2, 2005, Examiner Beamer and the undersigned representative, Eric Sophir, conducted a telephone interview regarding the rejection of claims 1-3, 6, and 8 under Ohashi. The Examiner's Summary is as follows:

The attorney of record, Eric Sophir, discussed some of the differences between the present claims of the application and the teachings of Ohashi. Specifically, the present claims disclose storing an authentication triplet RAND/SRES/LC for each of several keys stored in a mobile network, while Ohashi only discusses an authentication pair RND, SRES. Another difference pointed out by Eric Sophir is that the present claims discuss several different secret keys for use in the authentication process, while Ohashi only uses one secret key in the authentication process. Based on these arguments by the attorney, and another review of Ohashi by the examiner, it appears that Ohashi does not disclose all of the limitations of the present claims.

Upon filing a formal after final response indicating the differences discussed above, the finality of the office action mailed 12/12/2004 (sic) will be withdrawn.

The undersigned representative agrees with the Examiner that the claims are allowable for at least these reasons. Specifically, the undersigned representative and the Examiner discussed the following reasons why Ohashi does not disclose each and every limitation of the claimed invention.

First, claim 1 recites “selecting one of the secret keys (K1) stored in the subscriber identification module (SIM).” (emphasis added). Ohashi does not disclose this limitation. For example, Ohashi discloses that “If the mobile station 35 requests a preliminary authentication to the visited network 31 with his identification number, this roamed network 31 informs this with his identification number to his home network 30. The home network 30 then finds a secret key ki corresponding to the roaming mobile station 35 by retrieving its database 34 (S503), and generates a set of random numbers {RNDa1, ..., RNDan} (S504).” Col. 8, lines 56-63 (emphasis added). Because Ohashi discloses that the home network finds a secret key rather than selecting one of the secret keys stored in the SIM, Ohashi does not anticipate claim 1 of the present application.

Second, claim 1 recites “storing several different secret SIM-specific keys (K1).” (emphasis added). Ohashi does not disclose this limitation. For example, Ohashi discloses “producing at least one pair of challenge-response {RND, SRES} which will be necessary for authentication at the home network using a secret key ki of the accessing mobile station.” Col. 2, lines 30-33 (emphasis added). Because Ohashi discloses the use of only one secret key rather than storing several different secret SIM-specific keys, Ohashi does not anticipate claim 1 of the present application.

Third, claim 1 recites “selecting one of the secret keys (K1).” (emphasis added). However, as discussed above, Ohashi only has one secret key. Therefore, Ohashi cannot “select” one of the secret keys. Thus, Ohashi does not anticipate claim 1 of the present application.

Fourth, claim 1 recites “pre-configuring and storing a RAND/SRES/KC authentication triplet.” Ohashi does not disclose this limitation. For example, Ohashi discloses “a set of CR pairs, namely the generated random numbers {RNDa1, ..., RNDan} of 62 bits and the results of the calculation {SRESa1, ..., SRESan} of 32 bits, to the roamed network 31.” Col. 8, line 66 to col. 9, line 2 (emphasis added). Because Ohashi discloses CR pairs rather than an authentication triplet, Ohashi does not anticipate claim 1 of the present application.

The Examiner and the undersigned representative reached agreement with respect to the claims. Specifically, the Examiner and the undersigned representative agreed that Ohashi does not disclose each and every limitation of the present application. As

discussed in the interview, upon receipt of this Response, the Examiner will withdraw the finality of the Office Action.

Rejection of Claims 1-3, 6, and 8 Under 35 U.S.C. § 102(b)


Claims 1-3, 6, and 8 are rejected under 35 U.S.C. § 102(b) as being anticipated by Ohashi *et al.* (U.S. Patent No. 5,596,641) ("Ohashi"). This rejection is respectfully traversed and reconsideration is requested. In the interview, the Examiner agreed that Ohashi does not disclose each and every limitation of the pending claims. Therefore, in view of at least the reasons stated above, the rejection of claims 1-3, 6, and 8 is considered moot. Accordingly, the undersigned representative respectfully requests that the Examiner withdraw the rejection of claims 1-3, 6, and 8.

CONCLUSION

The foregoing is submitted as a full and complete Response to the final Office Action mailed December 2, 2004. The undersigned representative believes that claims 1-3, 6, and 8 are allowable and respectfully requests a notice of allowance to this effect. Should the Examiner determine that any further action is necessary to place this application into better form, the Examiner is encouraged to telephone the undersigned representative at the number listed below. In addition, if any additional fees are required in connection with the filing of this response, the Commissioner is hereby authorized to charge the same to Deposit Account No. 501458.

Respectfully submitted,

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